



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

9188, 9189, 9181. 8-segment Redundant Fieldbus Power Supplies.

NI / I / 2 / ABCD / T4 Ta = -20°C to 60°C; - SCI-1072

I / 2 / AEx nA nC / IIC / T4 Ta = -20°C to 60°C; - SCI-1072

Specific Conditions of Use:

- 1) In Class I, Division 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Division 2 wiring methods specified in the National Electrical Code (ANSI/NFPA 70).
- 2) In Class I, Zone 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Zone 2 wiring methods specified in the National Electrical Code (ANSI/NFPA 70) and having a minimum ingress protection rating of IP54.
- 3) The installer shall ensure that the insulation of field wiring is rated for the temperatures present within the cabinet/enclosure in which the equipment is installed.
- 4) All external connections to the equipment and internal connections between the modules forming the equipment must not be inserted or removed unless either the area in which the equipment is installed is known to be non-hazardous or the circuits connected have been de-energized.
- 5) The F809F/F809F-Plus Communication Diagnostic Segment Connection must be fitted with transient protection devices to ensure that the rated voltage cannot exceed 140% of the peak rated voltage.

9191-FP. Fieldbus Power Supply Module.

NI / I / 2 / ABCD / T4 Ta = -20°C to 60°C; - SCI-1072

I / 2 / AEx nA nC / IIC / T4 Ta = -20°C to 60°C; - SCI-1072

Specific Conditions of Use:

- 1) In Class I, Division 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Division 2 wiring

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methods specified in the National Electrical Code (ANSI/NFPA 70).

2) In Class I, Zone 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Zone 2 wiring methods specified in the National Electrical Code (ANSI/NFPA 70) and having a minimum ingress protection rating of IP54.

3) The installer shall ensure that the insulation of field wiring is rated for the temperatures present within the cabinet/enclosure in which the equipment is installed.

4) The component must not be inserted or removed unless either the area in which the component is installed is known to be non-hazardous or the circuits to which it is connected have been de-energized.

9197-BLK. Fieldbus blanking module.

NI / I / 2 / ABCD / T4 Ta = -20°C to 60°C; - SCI-1072

I / 2 / AEx nA / IIC / T4 Ta = -20°C to 60°C; - SCI-1072

Specific Conditions of Use:

1) In Class I, Division 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Division 2 wiring methods specified in the National Electrical Code (ANSI/NFPA 70).

2) In Class I, Zone 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Zone 2 wiring methods specified in the National Electrical Code (ANSI/NFPA 70) and having a minimum ingress protection rating of IP54.

3) The installer shall ensure that the insulation of field wiring is rated for the temperatures present within the cabinet/enclosure in which the equipment is installed.

4) The component must not be inserted or removed unless either the area in which the component is installed is known to be non-hazardous or the circuits to which it is connected have been de-energized.

Equipment Ratings:

Class I, Division 2, Groups A, B, C, and D, temperature code T4 at 60°C; AEx nA nC IIC, T4, Ta = -20°C to 60°C for hazardous (classified) locations.

FM Approved for:

Measurement Technology Limited
Butterfield, Luton, Bedfordshire, United Kingdom

To verify the availability of the Approved product, please refer to www.approvalguide.com



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3611	2004
Class 3600	2011
Class 3810	2005
ANSI/ISA-60079-0	2009
ANSI/ISA-60079-15	2009

Original Project ID: 3046854

Approval Granted: July 3, 2013

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

3 July 2013

Date